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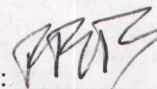
State of Utah

DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director
JOHN R. BAZA
Division Director

Inspection Report Minerals Regulatory Program November 27, 2015

Reviewed: 

Mine Name: New Start Mine (formerly Freedom From War)	Permit Number: S/039/0024
Operator Name: Boyd Brothersen	Inspection Date: November 19, 2015
Inspector(s): Peter Brinton, McKay Tenney	Time: early afternoon
Other Participants: none	Mine Status: Reclamation (in progress)

Elements of Inspection

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Permit fee: Current

Bond Renewal Date: N/A

Bond Amount: \$7,000

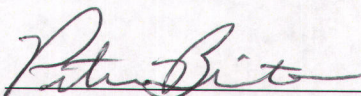
Inspection Purpose: Evaluate reclamation as a basis for a partial bond release

Inspection Summary: Mr. Brothersen, who is also the landowner, has done a lot of work this summer and fall, and regrading was nearly complete. A few small pits were left open in the main disturbance area in order to bury undersize rock. Earthwork was needed in the separate disturbances south of the access road. I estimated that a maximum of 10 work hours with a CAT 320 excavator would complete reclamation earthwork consistent with Division rules, and a partial bond release is recommended for all but the remaining 3/4 acre or so of pits and piled overburden. As I understand Mr. Brothersen plans post-reclamation removal of undersized surface rock to improve his field, some small rock piles are acceptable to remain as animal habitat and/or use by the landowner, consistent with other Sanpete county mine reclamation. Existing farm equipment storage areas may also remain.

Some revegetated areas were released in the 2015 permit transfer and Notice amendment. As of this inspection, recently regraded areas had not yet been seeded, and it is recommended that the surface either be drill seeded or roughened and immediately (or concurrently) broadcasted. Seed tags and a revegetation work summary should be sent to the Division. Considering knapweed growth on disturbed and undisturbed areas, weed control will continue to be needed until beneficial vegetation is established on regraded acres. Mr. Brothersen has reported personal and county efforts to spray knapweed. Photos were taken to document conditions.

Conclusions and Recommendations: Regrading of all but about 0.75 acres is acceptable, and a partial surety release is recommended. Surety should be retained to cover grading of pits and pile disturbances and revegetation of graded areas that are not yet established. Knapweed control will be needed in 2015.

Inspector's Signature



PNB: pbb

cc: Boyd Brothersen, operator & landowner

Scott Olsen, Sanpete County; solsen@sanpetecounty-ut.gov

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Remaining pit near equipment area where rock cleared from the surface is being pushed. Looking north. Stitched photo.



Graded area with rock removal, looking southeast. Note remaining snow-covered piles in middle background to the right and the left. Stitched photo.